

EG&G ROCKY FLATS

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94-RF-03986

Jessie M Roberson
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Environmental Restoration
DOE, RFO

Attn Norma Castenada

SITEWIDE TREATABILITY STUDIES - SOLAR DETOXIFICATION - NMH-054-94

EG&G Rocky Flats, Inc., has worked with Department of Energy, Rocky Flats Office (DOE, RFO), the Environmental Protection Agency (EPA) and the Colorado Department of Health (CDH) to reprioritize the Sitewide Treatability Study Program for Fiscal Year (FY) 1994 so that Operable Unit (OU) specific data needs can be met to support CMS/FS for OUs 1 and 2. This reprioritization is well underway and EG&G has committed resources to meet the required schedules.

EG&G is now evaluating data needs required for FY95. One of the potential treatability studies that has been discussed with DOE, RFO since 1990 is a Solar Detoxification study. Funding for this study was approved for FY94. Based on a review of the data needs required to support future CMS/FSs, EG&G believes this treatability study may not be necessary and requests DOE, RFO concurrence that this project be put on hold until the Initial Screening of Alternatives has been conducted for the CMS/FS for OUs 1, 2, 5, and 6.

The reasons for placing this study on hold are

- DOE, RFO has a major investment in the OU1 treatment plant which is an UV/ Oxidation unit. The solar detoxification unit is a similar type of unit. During the initial screening of alternatives for the CMS/FS, the economics of the two units will be studied to ensure that the existing capital investment at OU1 is still viable. The solar detoxification vendor will be requested to provide capital and operation and maintenance costs for this analysis. If this analysis shows that solar detoxification may be more cost effective than the existing equipment at the OU1 treatment plant, then EG&G would recommend that the treatability study be conducted to verify the effectiveness of the technology and refine capital and operation and maintenance costs.
- DOE, RFO's proposed cost share has grown from \$15,000 to \$120,000 plus on-site manpower support for a total of \$ 400,000. (The original proposed scope was for a cost sharing, phased demonstration project where the National Renewable Energy Laboratory would fund 70% of the first phase of the project with the balance split between SAIC and EG&G. Phase 2 would have been a possible field demonstration with costs to the involved party to be determined. The current project has changed to a field demonstration with EG&G's participation growing by more than an order of magnitude.) EG&G believes that this money is needed in FY94 for treatability studies to support the treatment of plutonium in soils and radionuclides and metals in groundwater.

ADMIN RECORD

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Please advise of your decision. If you have any questions, please direct them to M C Rupert of Environmental Engineering & Technology at extension 6956 or J K Hopkins at extension 8636



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JKH cb

Orig and 1 cc - Norma Castenada

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